

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Canceled)

2. (Original) A tire information communication device characterized by comprising:

a transmitting unit detecting a state information of a tire of a vehicle and outputting its detection signal to an outside as electromagnetic waves; and

a receiving unit receiving the state information of the tire from the transmitting unit as the electromagnetic waves near an end portion of an axle of the vehicle while being housed in or disposed together with a housing of a vehicle wheel speed sensor;

wherein an antenna of the receiving unit is composed of a wire of a predetermined length positioned inside a cylindrical space having a rotation locus of the transmitting unit as an outer diameter thereof and having the axle as a center axis when the tire rotates, the wire being made integral with a wire harness that is connected to the receiving unit, an output of the state information of the tire being overlapped with an output of the vehicle wheel speed sensor so that both the outputs are outputted by a common line.

3. (Original) A tire information communication device characterized by comprising:

a transmitting unit detecting a state information of a tire of a vehicle and outputting its detection signal to an outside as electromagnetic waves; and

a receiving unit receiving the state information of the tire from the transmitting unit as the electromagnetic waves near an end portion of an axle of the vehicle while being housed in or disposed together with a housing of a vehicle wheel speed sensor;

wherein an antenna of the receiving unit is composed of a wire of a predetermined length positioned inside a cylindrical space having a rotation locus of the transmitting unit as an outer

diameter thereof and having the axle as a center axis when the tire rotates, the wire being made integral with a wire harness that is connected to the receiving unit, an output of the vehicle wheel speed sensor and an output of the state information of the tire being modulated so that both the outputs are outputted by a common line.

4-12. (Canceled)